

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of claims:**

1.-17. (Canceled)

18. (Previously Presented) A device for the manufacture of a dental prosthesis comprising:

- (a) a scanning or recording apparatus that produces a digital 3-dimensional recording of an oral situation, on a patient or on a model;
- (b) a processing device that produces from said recording a virtual model of the oral situation;
- (c) a 3-dimensional data record for prefabricated dental prostheses;
- (d) a processing module that fits data for prefabricated dental prostheses into the virtual model and thereby creates a virtual model with integrated dental prosthetic teeth;
- (e) a simulation module that simulates mandibular movements on the virtual model and tests and optimizes positions of the integrated dental prosthetic teeth in the virtual model; and
- (f) a device that manufactures a positioning template or a denture base from the virtual model with the integrated dental prosthetic teeth.

19. (Previously Presented) A method for manufacturing a dental prosthesis, said method comprising the following steps:

- (a) scanning fabricated teeth to produce 3-dimensional data records of fabricated teeth;
- (b) recording and digitizing 3-dimensional, anatomical relationships in an oral cavity;
- (c) optionally recording and digitizing 3-dimensional data on bite rims;
- (d) optionally recording mandibular data;
- (e) processing data obtained from step (b) and optionally steps (c) and/or (d) in such a way that relevant anatomical structures for virtual placement of teeth are securely affixed, and a virtual model data record is obtained;
- (f) selecting 3-dimensional data records of fabricated teeth;
- (g) virtual placing of the teeth into the virtual model; and

either

- (k) transferring the virtual placing of the teeth to a model either by a positioning template, or direct placement of the teeth on the model;
- (l) affixing the teeth to the model; and
- (m) attaching a denture base to the model;

or

- (n) without carrying out steps (k), (l) and (m), directly manufacturing a denture base, according to data for a virtual denture placement, with positioning aids for a final correct positioning and affixing of the teeth.

20. (Previously Presented) The method according to claim 19, wherein step (b) comprises recording 3-dimensional, anatomical relationships in an oral cavity with the aid of a 3-dimensional camera.

21. (Previously Presented) The method according to claim 19, wherein step (b) comprises scanning a plaster model.

22. (Previously Presented) The method according to claim 19, which comprises following step (g) the following step:

- (h) simulating mandibular movements in/on a computer.

23. (Previously Presented) The method according to claim 22, which comprises following step (h) the following step:

- (i) inspecting function and occlusion in/on the computer.

24. (Previously Presented) The method according to claim 23, which comprises following step (i) the following step:

- (j) manually correcting the placing of teeth, and performing a new calculation to adapt the placing of teeth of to bite data and optimal occlusion.

25. (Previously Presented) The method according to claim 19, wherein step (k) is carried out, and in step (k) the positioning template is milled or rapid prototyped.

26. (Previously Presented) The method according to claim 19, wherein step (c) is carried out, and in step (c) the bite rims are occlusion rims.

27. (Withdrawn, Currently Amended) The method according to claim 19, said method comprising the following steps:

- (a) scanning fabricated teeth to produce 3-dimensional data records of fabricated teeth;
- (b) recording and digitizing 3-dimensional, anatomical relationships in an oral cavity;
- (c) optionally recording and digitizing 3-dimensional data on bite rims;
- (d) optionally recording mandibular data;
- (e) processing data obtained from step (b) and optionally steps (c) and/or (d) in such a way that relevant anatomical structures for virtual placement of teeth are securely affixed, and a virtual model data record is obtained;
- (f) selecting 3-dimensional data records of fabricated teeth;
- (g) virtual placing of the teeth into the virtual model;
- ~~(h) simulating mandibular movements in/on a computer.~~
- ~~(i) inspecting function and occlusion in/on the computer.~~
- ~~(j) manually correcting the placing of teeth, and performing a new calculation to adapt the placing of teeth of to bite data and optimal occlusion;~~

- (k) transferring the virtual placing of the teeth to a model either by a positioning template, or direct placement of the teeth on the model;
- (l) affixing the teeth to the model; and
- (m) attaching a denture base to the model.

28. (Previously Presented) The method according to claim 19, said method comprising the following steps:

- (a) scanning fabricated teeth to produce 3-dimensional data records of fabricated teeth;
- (b) recording and digitizing 3-dimensional, anatomical relationships in an oral cavity;
- (c) optionally recording and digitizing 3-dimensional data on bite rims;
- (d) optionally recording mandibular data;
- (e) processing data obtained from step (b) and optionally steps (c) and/or (d) in such a way that relevant anatomical structures for virtual placement of teeth are securely affixed, and a virtual model data record is obtained;
- (f) selecting 3-dimensional data records of fabricated teeth;
- (g) virtual placing of the teeth into the virtual model; and
- (n) manufacturing a denture base directly after carrying out step (g), according to data for a virtual denture placement, with positioning aids for a final correct positioning and affixing of the teeth.

29. (Previously Presented) The method according to claim 27, which comprises following step (g) the following step:

(h) simulating mandibular movements in/on a computer.

30. (Previously Presented) The method according to claim 29, which comprises following step (h) the following step:

(i) inspecting function and occlusion in/on the computer.

31. (Previously Presented) The method according to claim 30, which comprises following step (i) the following step:

(j) manually correcting the placing of teeth, and performing a new calculation to adapt the placing of teeth of to bite data and optimal occlusion.